

## EM3588-MLR-RF-C



**Part Number:** [EM3588-MLR-RF-C](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** RF TXRX MODULE 802.15.4

**Data sheet:** [TS8](#)

**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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### PRODUCT PARAMETER

<b>Part Number</b>	<a href="#">EM3588-MLR-RF-C</a>
<b>Manufacturer</b>	<a href="#">Energy Micro (Silicon Labs)</a>
<b>Description</b>	RF TXRX MODULE 802.15.4
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	2457 pcs
<b>Product Photo</b>	<a href="#">EM3588-MLR-RF-C.jpg</a>
<b>Category</b>	<a href="#">RF/IF and RFID</a>
<b>Voltage - Supply</b>	2.1 V ~ 3.6 V
<b>Utilized IC / Part</b>	EM3588
<b>Series</b>	Ember®
<b>Serial Interfaces</b>	-
<b>Sensitivity</b>	-101dBm
<b>RF Family/Standard</b>	802.15.4
<b>Protocol</b>	Zigbee®
<b>Power - Output</b>	8dBm
<b>Packaging</b>	Bulk
<b>Package / Case</b>	Module
<b>Other Names</b>	336-3194 EM3588-MLR-RF-C-ND
<b>Operating Temperature</b>	-40°C ~ 85°C
<b>Mounting Type</b>	Connector Mount
<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Modulation</b>	-
<b>Memory Size</b>	-
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Frequency</b>	2.4GHz
<b>Data Rate</b>	5Mbps
<b>Current - Transmitting</b>	28.5mA ~ 39mA
<b>Current - Receiving</b>	26mA ~ 27mA
<b>Antenna Type</b>	Not Included

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">EM3592-RT</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 56-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 17903	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-MLR-RF-C</a> <b>Description:</b> RF TXRX MODULE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 5345	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-RT</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 48-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 16583	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM359302VC</a> <b>Description:</b> TERM BLOCK HDR 2POS VERT 3.81MM	<b>Manufacturers:</b> <a href="#">Bussmann (Eaton)</a> <b>In Stock:</b> 98293	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3592-RTR</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 56-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 18755	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-M-RF-C</a> <b>Description:</b> RF TXRX MODULE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 5911	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-STACK</a> <b>Description:</b> BREADBOARD STAC-KUP EM3588 RCM	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 4579	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3591-RT</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 56-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 12702	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-MLR-AN-C</a> <b>Description:</b> RF TXRX MODULE 802.15.4 CHIP ANT	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 4611	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-STACK-LR</a> <b>Description:</b> RF TXRX MODULE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 4312	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM359302HC</a> <b>Description:</b> TERM BLOCK HDR 2POS 90DEG 3.81MM	<b>Manufacturers:</b> <a href="#">Bussmann (Eaton)</a> <b>In Stock:</b> 99926	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-STACK</a> <b>Description:</b> RF TXRX MODULE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 454	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-RT</a> <b>Description:</b> RF IC'S + MODULES IEEE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 15029	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-RTR</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 48-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 14514	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-M-AN-C-K</a> <b>Description:</b> RF TXRX MODULE 802.15.4 CHIP ANT	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 2680	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-M-RF-C</a> <b>Description:</b> RF TXRX MODULE 802.15.4	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 5167	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-STACK-LR</a> <b>Description:</b> BREADBOARD STACKUP EM3588 PA/LNA	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 4707	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3587-RTR</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 48-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 17078	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3588-MLR-AN-C-K</a> <b>Description:</b> RF TXRX MODULE 802.15.4 CHIP ANT	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 2020	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">EM3591-RTR</a> <b>Description:</b> IC RF TXRX+MCU 802.15.4 56-VFQFN	<b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> <b>In Stock:</b> 15022	<a href="#">RFQ</a>

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